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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,864	02/16/2001	Gregory Bruening	020366-074900US	6331

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QWEST COMMUNICATIONS INTERNATIONAL INC  
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EXAMINER

LE, KAREN L

ART UNIT PAPER NUMBER

2642

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/785,864	<b>Applicant(s)</b> BRUENING ET AL.	
	<b>Examiner</b> Karen Le	<b>Art Unit</b> 2642	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 August 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This action is in response to applicant's response filed on August 30, 2004. Claims 1-11, are now pending in the present application. **This action is made non-final.**

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zhang et al. (U. S. 6,505,163).

Regarding claim 1, Zhang teaches a method for routing calls in an Advanced Intelligent Network (Fig. 3, item 10) including the steps of:

- a) Attempting a switched-based call-forward service (Fig. 3, item 76) from a subscriber line in a Service Switching Point (SSP) (Col. 8, lines 41-42);
- b) detecting a trigger in the SSP based upon said step a) (Col. 8, lines 41-42);
- c) suspending call processing based upon said step b) (Col. 8, lines 41-42);
- d) Zhang does not teach during said step c) determining whether the call forward should be permitted and e) inhibiting or permitting the call-forward based upon the determination in said step d). However, Zhang teaches SCP 28 of AIN 10 providing

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enhanced calling services such as call return, calling name, call forwarding, call screening and blocking, in addition to many other services (Col. 5, lines 10-20). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have zhang's feature <sup>of</sup> determining whether the call forward should be permitted and e) inhibiting or permitting the call-forward based upon the determination in said step d).

Regarding claims 2 and 3, Zhang further teaches sending a message to an SCP during said step c) based upon said step b)(Fig. 3, SSP of LEC 76 sent message to SCP 28 of AIN 10). Zhang does not teach the message includes a forward-to number to which the call-forward attempt is made. However, Zhang teaches SCP 28 of AIN 10 providing enhanced calling services such as call return, calling name, call forwarding, call screening and blocking, in addition to many other services (Col. 5, lines 10-20). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made that the message includes a forward-to number to which the call-forward attempt is made.

Regarding claims 4-6, and 8, Zhang does not teach... determining whether the forward-to number is a voicemail number, and determining whether to forward the call in said step d) based upon said determination in said step f). The step of preventing the call-forward in said step e) based upon the determination in said step f) that the forward-to number is a voicemail number. However, Zhang teaches SCP 28 of AIN 10 providing enhanced calling services such as call return, calling name, call forwarding, call screening and blocking, in addition to many other

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services (Col. 5, lines 10-20 and Col. 10, lines 38-43). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have Zhang's feature of determining whether the forward-to number is a voicemail number, and determining whether to forward the call in said step d) based upon said determination in said step f). The step of preventing the call-forward in said step e) based upon the determination in said step f) that the forward-to number is a voicemail number.

Regarding claim 7, Zhang further teaches permitting the switch-based call forward in said step e) (Fig. 3, AIN 28 permits switch-base call forward LEC 76 in step e).

Regarding claim 9, Zhang further teaches said trigger is an Off-hook Delay trigger caused by the switch's attempt to forward the call (Fig 3, the trigger of SSP belong to LEC 76).

Regarding claim 10, Zhang further teaches forwarding the call to a second subscriber line (Fig. 3, forward to wireless 70).

Regarding claim 11, Zhang further teaches an Advanced Intelligent Network Service Switching Point (SSP) (Fig. 3, SCP 28) including:

A plurality of specific digit strings including a first specific digit string (Fig. 3, telephone number 22) a plurality of subscriber lines (lines 22 and 70) each assigned one of said plurality of specific digit strings, a trigger associated with said first specific digit string and activated by a call to the first specific digit string at the SSP, said SSP generating a request for a forwarding instruction based upon said trigger, and said SSP receiving said forwarding instruction and forwarding the call based upon the forwarding instruction (Fig. 4, items 82 and 86).

*Response to Arguments*

4. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

*Conclusion*

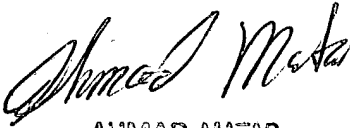
5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).  
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen Le whose telephone number is 703-308-4998. The examiner can normally be reached on M-F 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on 703-305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karen Le  
KLL  
December 23, 2004

  
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SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600